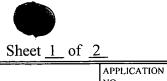


## Sheet

09/202047

305 Vec'd PCT/PTO 07 DEC 1998

|                                 |  |  |               |  |          |          |          |   |   |                   |              |                     | <u> </u>     |  |  |
|---------------------------------|--|--|---------------|--|----------|----------|----------|---|---|-------------------|--------------|---------------------|--------------|--|--|
| Form P                          | TO-1449                                      |  |               |  |          |          |          |   | ATTY DOCKET NO.   |                   | APPLICA      | ATION               |              |  |  |
| INI                             |  | NOI<br>LA N  |               |  |          |          |          | CITATION<br>N                           | 20-4491P  | 09 202047 TO      |              |                     |              |  |  |
|                                 | (Use   | seve   | ral s         | heet   | s if     | ne       | cessa    | ary)                                    |   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          |   | Inventor's Name   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          |   | Kyogo ITOH et al.   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          |   | December 7, 1998  | GROUP             |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          | U.S. PATEN                              | T DOCUMENTS   |                   |              |                     |              |  |  |
| EXAMINER<br>INITIAL             |  |  |               |  |          |          |          |   |   |                   | SUB<br>CLASS | FILING DATE         |              |  |  |
| INTITAL                         |  | DOCUM  | MENT          | NUME   | BER      | T        |          | DATE                                    | NAME  | CLASS             |              | ATE                 |              |  |  |
|                                 |  |  |               |  | <u> </u> | <u> </u> | <u> </u> |   |   | ļ                 |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          |   |   |                   |              |                     | 1            |  |  |
|                                 |  |  |               |  |          |          |          |   |   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          | -        | ┢        |   |   |                   |              |                     |              |  |  |
|                                 |  |  | ┼             |  | -        | -        | -        |   |   | -                 |              | <u> </u>            |              |  |  |
|                                 |  |  | <u> </u>      |  |          |          | <u> </u> |   |   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          |   |   |                   |              |                     |              |  |  |
|                                 | -  |  |               |  |          |          |          |   |   |                   |              |                     |              |  |  |
|                                 | <u>.                                    </u> |  |               | <del>                                     </del> | T        |          | t        |   |   |                   |              |                     |              |  |  |
|                                 |  |  | ╁             | $\vdash$   | -        | -        | ┢        |   |   | +                 |              |                     | $-\parallel$ |  |  |
|                                 |  | <u> </u>   | <u> </u>      |  |          |          | <u> </u> | 1                                       |   |                   |              | L                   |              |  |  |
|                                 | FOREIG                                       | N P  | ATI           | ENT  | DO       | OCT      | MЕ       | NTS                                     |   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          |   |   |                   |              | TRANSLATION         |              |  |  |
|                                 |  |  |               |  |          |          |          | 2.00                                    | GOVERNA   | ar vaa            | SUB<br>CLASS |                     | -            |  |  |
|                                 |  | DOCUM  | 1ENT          | NUME   | SER      |          |          | DATE                                    | COUNTRY   | CLASS             |              | YES                 | мо           |  |  |
|                                 |  | I.   | 1             |  | 1        | ı —      | 1        |   | <u> </u>  |                   |              |                     | <b>↓</b> ""┃ |  |  |
|                                 |  |  |               |  |          |          |          |   |   |                   |              |                     | Щ            |  |  |
|                                 |  |  |               |  |          |          |          |   |   |                   |              |                     |              |  |  |
|                                 |  |  |               |  | -        |          |          |   |   |                   |              |                     |              |  |  |
|                                 |  |  | <u> </u>      |  |          | $\vdash$ | <u> </u> |   |   |                   |              |                     |              |  |  |
|                                 |  | <u> </u>   | <del> </del>  |  |          | $\vdash$ |          |   |   | +                 |              |                     | $+\parallel$ |  |  |
|                                 |  | <b> </b>   | $\vdash$      |  |          | <u> </u> | _        | -                                       |   | +                 |              |                     | $+\parallel$ |  |  |
|                                 |  | <u>L</u>   | <u> </u>      | <u> </u>   |          | <u> </u> | <u> </u> |   | <u> </u>  |                   |              |                     |              |  |  |
| (                               | OTHER  | DOC  | UME           | NT   | 'S (     | Incl     | udin     | g Author, Title, D                      | ate, Pertinent Pages, etc.)                                 |                   |              |                     |              |  |  |
| A                               |  | J. EXP. MED., Vol. 183, (1996), T. Boon et al.; "HUMAN<br>TUMOR ANTIGENS RECOGNIZED BY T LYMPHOCYTES", p. 725-729. |               |  |          |          |          |   |   |                   |              |                     |              |  |  |
|                                 |  |  |               |  |          |          |          | ;                                       |   |                   |              |                     |              |  |  |
| EXAMINER DATE CONSIDERED        |  |  |               |  |          |          |          |   |   |                   |              | $-\parallel$        |              |  |  |
|                                 | NEK  | سا<br>ر  | 1/10          |  | K        |          |          |   | //  | 1/2//00           | )            |                     |              |  |  |
| EXAMINER:<br>through capplicant | citation i                                   | if cit   | tatio<br>in c | on co  | onsid    | iere     | d, wl    | nether or not cita<br>not considered. I | tion is in conformance with<br>nclude copy of this form wit | M.P.E.P<br>h next | . 609; I     | Draw line cation to |              |  |  |



| orm PTO-            | FORMA    | IN A  | N A      | PPL             | ICAT         |                            | 20-4491P                                       | 09/202,047<br>ATTACA<br># 2 |                       |                               |    |  |  |
|---------------------|----------|---|----------|-----------------|--------------|----------------------------|--|-----------------------------|-----------------------|-------------------------------|----|--|--|
|                     |          | (Us   | se sever | ai sneet        | s if necessa | MAR 0 5 1999               | APPLICANT Kyogo ITOH et al.                    |                             |                       |                               |    |  |  |
|                     |          |   |          | •               | (            | MAR OF E                   | FILING DATE December 7, 1998                   | GROUP<br>Unknown            |                       |                               |    |  |  |
|                     |          |   |          |                 |              | D.S. PATENT D              | OCUMENTS                                       | <del> </del>                |                       |                               |    |  |  |
| EXAMINER<br>INITIAL | D        | OCUM  | 1ENT     | NUN             | /IBER        | DATE                       | NAME   | CLASS                       | SUB<br>CLASS          | FILING DATE<br>IF APPROPRIATE |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             |                       | <u></u>                       |    |  |  |
|                     |          |   |          |                 | $\prod$      |                            |  |                             |                       |                               |    |  |  |
|                     |          |   | 十        | 1               |              |                            |  |                             |                       |                               |    |  |  |
|                     |          | <u> </u>  |          | 1               |              |                            |  |                             |                       |                               |    |  |  |
|                     | <u> </u> |   |          |                 | <u> </u>     | FOREIGN PATENT             | DOCUMENTS                                      |                             | <u></u>               |                               |    |  |  |
|                     | D        | OCUN  | /ENT     | NUN             | /BER         | DATE                       | COUNTRY CLASS                                  |                             | SUB TRANSLATION CLASS |                               |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             | CEASS                 | YES                           | NC |  |  |
|                     |          |   |          |                 | T            |                            |  |                             |                       |                               |    |  |  |
|                     |          |   |          |                 |              |                            |  |                             |                       |                               |    |  |  |
| -                   |          |   |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     |          |   |          | 1               |              |                            |  |                             |                       |                               |    |  |  |
|                     |          |   | _        | +-              | 1 1          |                            |  |                             | <del> </del>          |                               |    |  |  |
| <del></del>         | <u></u>  |   |          |                 | OTH          | ER DOCUMENTS (Includia     | ng Author, Title, Date, Pertinent Pages, etc.) |                             | <del></del>           |                               |    |  |  |
|                     | 108      | T. Bo   | on et    | al., <i>J</i> . | Exp. M       | ed., Vol. 183, pp. 725-729 | ) (Mar. 1996)                                  |                             | <del></del>           |                               |    |  |  |
|                     |          | 1610 (1617 (17 1001)  |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     | and      | Y. Kawakami et al., <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, pp. 6458-6462 (July 1994)  |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     | The      | Y. Kawakami et al., <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, pp. 3515-3519 (Apr. 1994)  |          |                 |              |                            |  |                             |                       |                               |    |  |  |
| · —                 | isa      |   |          |                 |              | xp. Med., Vol. 180, pp. 34 | ·  |                             |                       |                               |    |  |  |
|                     | Lyp      |   |          |                 |              | p. Med., Vol. 176, pp. 14  |  |                             |                       |                               |    |  |  |
|                     | 1200     |   |          |                 | _            |                            |  |                             | <del></del>           |                               |    |  |  |
|                     | 160      | T. Wölfel et al., Eur. J. Immunol., Vol. 24, pp. 759-764 (1994)  M. Nakao et al., Cancer Research, Vol. 55, pp. 4248-4252 (Oct. 1995) |          |                 |              |                            |  |                             |                       |                               |    |  |  |
|                     | ilto     | IM N  | akao e   | et al           | Cancer       | KRYPARCH VAL 11 NR 47      | 48-4232 (UCL 1993)                             |                             |                       |                               |    |  |  |



Sheet <u>2</u> of <u>2</u>

| Form PTO-1449  INFORMATION DISCLOSURE CITATION  IN AN APPLICATION |                     |                      |          |           |               |               |                    |                                   | 20-4491P   | APPLICATION NO. 09/202,047 |  |              |                    |  |  |
|---|---------------------|----------------------|----------|-----------|---------------|---------------|--------------------|-----------------------------------|--|----------------------------|--|--------------|--------------------|--|--|
|   |                     | (                    | (Use se  | averal    | sheets        | s if nec      | cessary)           |                                   | APPLICANT Kyogo ITOH et al.                        |                            |  |              |                    |  |  |
|   |                     |                      |          |           |               |               |                    |                                   | FILING DATE December 7, 1998                       | GROUP<br>Unknow            | group<br>Unknown                                 |              |                    |  |  |
|   |                     |                      |          |           |               |               | U                  | J.S. PATENT D                     | OCUMENTS   |                            |  |              |                    |  |  |
| EXAMINER<br>INITIAL   | ]                   | OOCU                 | JMEI     | 1 TN      | NUM           | IBER          | <del>.</del>       | DATE                              | NAME   | CLASS                      | SUB<br>CLASS                                     |              | G DATE<br>ROPRIATE |  |  |
|   | <u> </u>            | T                    |          |           |               |               |                    |                                   |  |                            | †  |              |                    |  |  |
|   |                     |                      |          |           |               |               |                    |                                   |  |                            | <del> </del>                                     |              |                    |  |  |
|   |                     |                      |          |           |               |               |                    |                                   |  |                            |  |              |                    |  |  |
|   |                     |                      |          |           |               |               |                    |                                   |  |                            |  |              |                    |  |  |
|   |                     |                      |          |           |               | <u> </u>      | <u> </u>           |                                   |  |                            |  |              |                    |  |  |
|   | ļ <u>.</u>          |                      |          | igspace   | <u> </u>      | <u> </u>      | <u> </u>           | <u> </u>                          |  |                            | <u> </u>   |              |                    |  |  |
|   | <u> </u>            | $\perp \downarrow$   |          | _         | <u> </u>      | <u> </u>      | <del> </del>       | <u> </u>                          |  |                            | ļ  | ļ            |                    |  |  |
|   | <u> </u>            | Щ                    |          | <u></u>   |               | <u> </u>      |                    | CORPORI DATERIO                   | POCHARNITO   |                            |  | <u> </u>     |                    |  |  |
|   | <del></del>         |                      | ·· 4E3   |           |               |               |                    | FOREIGN PATENT                    |  | CLASS                      | SUB  | T TRANS      | SLATION            |  |  |
|   | L                   | DOCUMENT NUMBER DATE |          |           |               |               |                    | DATE                              | COUNTRY  | Glando                     | CLASS  | YES          | NO                 |  |  |
|   |                     | $\prod$              |          |           |               |               |                    |                                   |  |                            | <del>                                     </del> |              |                    |  |  |
|   |                     |                      |          |           |               | H             |                    |                                   |  |                            |  |              |                    |  |  |
|   |                     |                      |          |           |               |               |                    |                                   |  |                            |  |              |                    |  |  |
|   |                     | $\prod$              | $\Box$   |           |               |               |                    |                                   |  |                            |  |              |                    |  |  |
|   |                     |                      |          |           |               |               |                    |                                   |  |                            |  |              |                    |  |  |
|   |                     |                      |          |           |               | ОТ            | HER D              | OCUMENTS (Includir                | ng Author, Title, Date, Pertinent Pages, etc.)     |                            |  |              |                    |  |  |
|   | /ha                 | D. E                 | ). Kh    | ıarke     | evite         | h et a        | al., <i>Int. J</i> | l. Cancer, Vol. 58, pp            | p. 317-323 (1994)                                  |                            |  |              |                    |  |  |
|   | 140                 | Н. С                 | 3. Ra    | ımm       | ense          | e et a        | ıl., <i>Immu</i>   | unogenetics, Vol. 41,             | , pp. 178-228 (1995)                               |                            |  |              |                    |  |  |
|   | j. Str              | R. T                 | . Ku     | bo e      | t al.,        | J. In         | nmunol.,           | , Vol. 152, pp. 3913-             | -3924 (1994)                                       |                            |  |              |                    |  |  |
|   |                     | W. 1                 | М. К     | .ast €    | et al.,       | , <i>J. I</i> | mmunol.            | , Vol. 152, pp. 3904-             | -3912 (1994)                                       |                            |  |              |                    |  |  |
|   | Map                 | A. K                 | Cond     | o et      | al., <i>J</i> | . Imr         | munol., \          | Vol. 155, pp. 4307-4              | 312 (1995)   |                            | -  |              |                    |  |  |
|   | <u> </u>            | -                    |          |           |               |               |                    |                                   |  |                            | <del></del>                                      |              |                    |  |  |
|   |                     |                      | جيد      |           | <u>//</u>     | ,             |                    |                                   |  |                            |  |              |                    |  |  |
| EXAMINER  |                     | 10.                  | IJ,      | K         | ,<br>,        | p,            | ht                 | 7                                 | DATE CONSIDERED                                    | 1/21/00                    |  |              |                    |  |  |
| EXAMINER: Initia  | al if citation cons | idered, w            | hether o | ır not ci | tation is     | in conf       | formance with      | M.P.E.P. 609; Draw line through c | citation if not in conformance and not considered. | Include copy of the        | his form with next c                             | ommunication | to applicant.      |  |  |